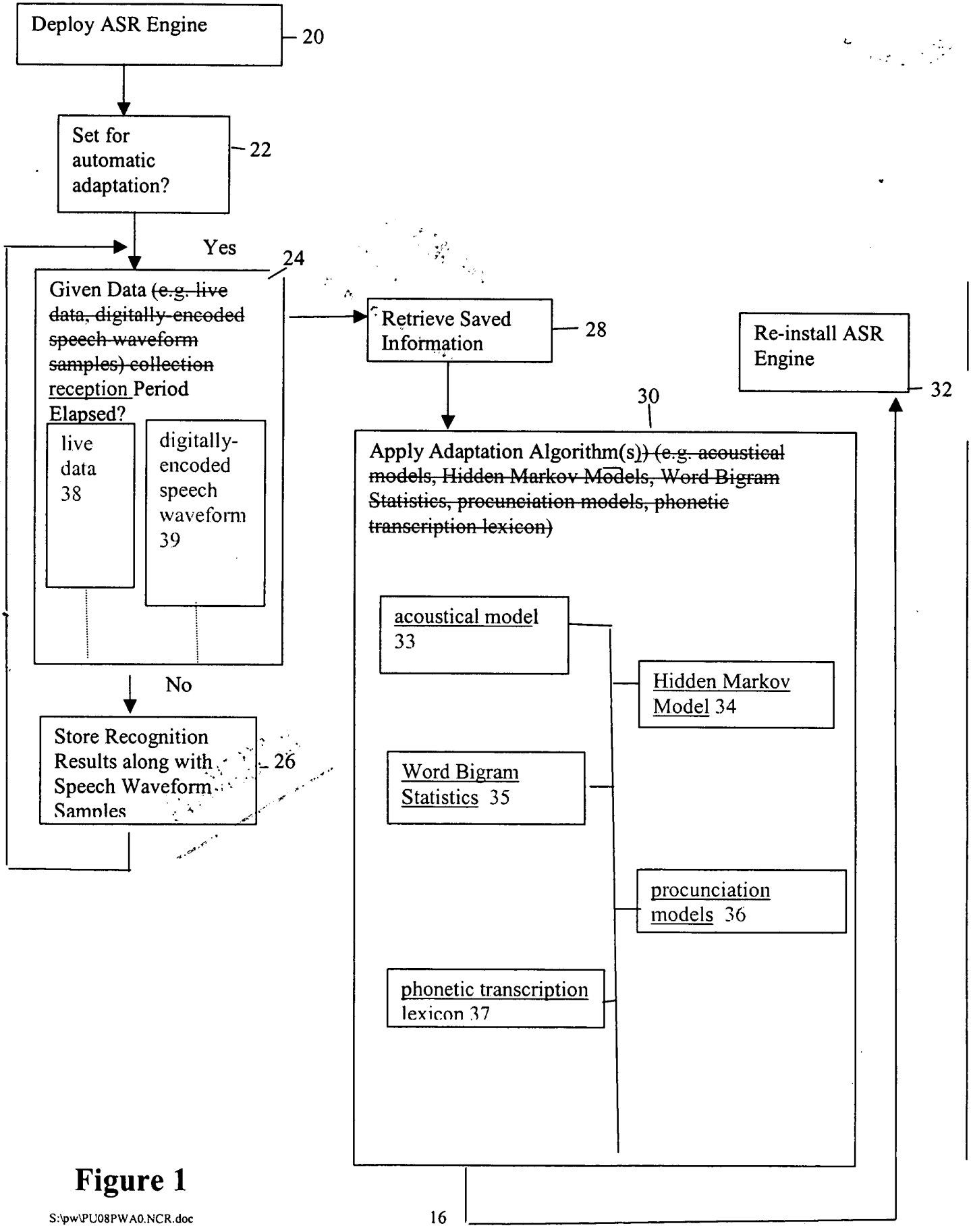
Deploy ASR Engine
20
Set for automatic adaptation?
22
Yes
24
Given Data (e.g. live data, digitally-encoded speech waveform samples) collection reception Period Elapsed?
live data 38
digitally-encoded speech waveform 39
No
Store Recognition Results along with Speech Waveform Samples
26
Retrieve Saved Information
28
Re-install ASR Engine
32
30
Apply Adaptation Algorithm(s)) (e.g. acoustical models, Hidden Markov Models, Word Bigram Statistics, procunciation models, phonetic transcription lexicon)
acoustical model 33
Hidden Markov Model 34
Word Bigram Statistics 35
procunciation models 36
phonetic transcription lexicon 37

Figure 1